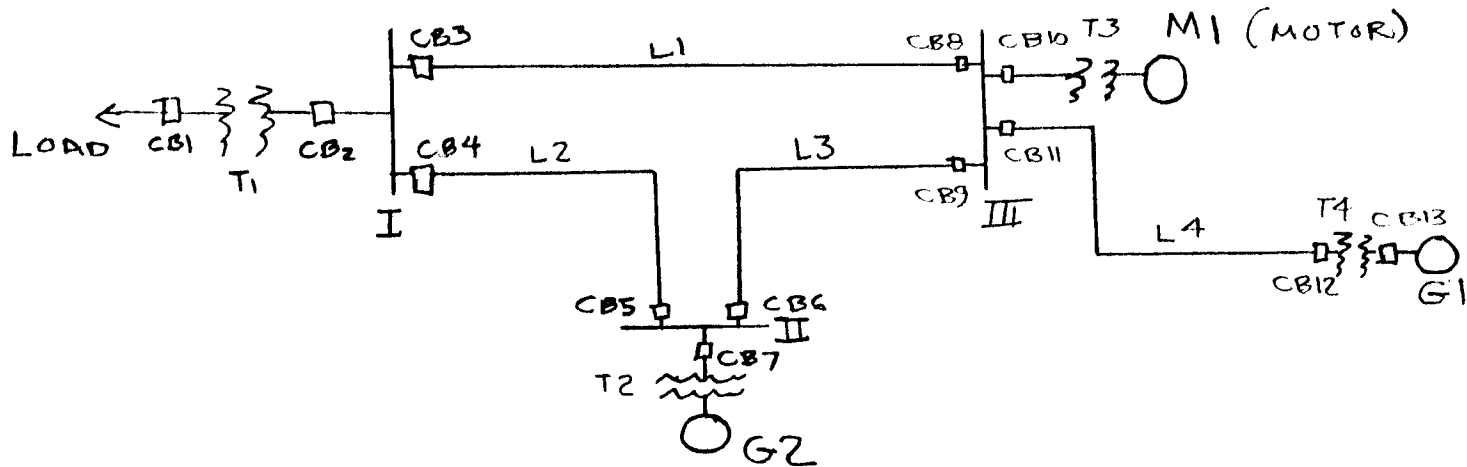


a) CIRCLE THE ZONES OF PROTECTION FOR THE FOLLOWING POWER SYSTEM



b) STATE WHICH CB'S TRIP FOR A FAULT AT:

- 1) L1
- 2) BUS III
- 3) G2
- 4) T4
- 5) BUS II
- 6) LOAD
- 7) M1

c) FOR A FAULT ON BUS I AND CB3 FAILS WHICH CB OPENS AS BACKUP

d) DOES CB2 NEED TO OPERATE FOR A BUS I FAULT

e) FOR A FAULT ON L4 WHICH CB'S BACK UP CB11

f) FOR A FAULT ON L2 WHICH CB'S BACK UP CB4

g) CB6 & 9 TRIP → WHERE WAS FAULT?

h) CB 6, 9, 8, 11 TRIP → WHERE WAS FAULT

i) CB2 TRIPS WHERE WAS FAULT

j) CB1 TRIPS WHERE WAS FAULT

k) CB7 TRIPS WHERE WAS FAULT

l) FOR A FAULT ON BUS III, WHICH CB'S

1) TRIP FIRST

2) IF THE ONES WHICH SHOULD TRIP FIRST DON'T WHICH ONES SHOULD TRIP NEXT.